Index of Claims

| Application/Control No. |
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10/754,027 Examiner

Sung H. Pak

Applicant(s)/Patent under Reexamination

OH ET AL.

2874

| √ | Rejected  |
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| = | . Allowed |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

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|   |   | Interference |

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| Claim Date |          |          | اااا          | Claim Date |          |          |          |   | <b></b> [ | Claim          |          |          |               |          | Date              |  |  |          |          |                |          |          |          |          |          |          |          |                 |          |           |
|------------|----------|----------|---------------|------------|----------|----------|----------|---|-----------|----------------|----------|----------|---------------|----------|-------------------|--|--|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|-----------------|----------|-----------|
|            | -        |          |               | T          |          |          | T        |   | 7         |                | =        |          |               | T        |                   |  |  |          |          |                |          |          |          | T        |          |          |          |                 |          |           |
| Final      | Original | 4/29/05  |               |            |          |          |          |   |           | Final          | Original |          |               |          |                   |  |  |          |          | Final          | Original |          |          |          |          |          |          |                 |          |           |
| ι <u>Έ</u> | Ę        | 178      | i             |            |          | Ιİ       |          |   | 1         | i <del>E</del> | rig      | !        |               | 1        |                   |  |  |          |          | 遣              | řig      |          |          |          |          |          |          |                 |          | 1         |
|            | 0        | 4        |               |            | i I      |          |          |   |           |                | O        |          |               |          |                   |  |  |          |          |                | O        |          |          |          |          |          |          |                 |          |           |
|            | 1        | <b>√</b> |               |            | П        |          |          |   | 7::::     |                | 51       |          | $\neg \vdash$ | $\vdash$ |                   | 7  | 1.1  |          |          |                | 101      |          | $\dashv$ | $\neg$   | $\dashv$ |          |          | T               | ヿ        | T         |
|            | 2        | 1        | $\top$        | 1          |          |          |          | T                                       |           |                | 52       | П        |               |          |                   |  | П  | 7        |          |                | 102      |          |          | $\top$   | T        | T        | 一        |                 | 寸        |           |
|            | 3        | <b>V</b> |               | 1          |          |          |          | 1                                       |           |                | 53       |          | $\top$        |          |                   |  | $\Box$   | 7        |          |                | 103      |          | $\top$   | $\top$   | $\top$   | $\dashv$ | 一        |                 | ヿ        | $\exists$ |
|            | 4        | 1        |               | T          |          |          | T        |   | 7::::     |                | 54       |          | $\top$        |          | П                 | $\top$   | П  |          |          |                | 104      |          |          | T        | T        | T        |          |                 | $\dashv$ |           |
|            | 5        | 1        |               |            |          |          | $\neg$   |   |           |                | 55       |          | 丁             |          | П                 |  | П  |          |          |                | 105      |          | $\neg$   | $\neg$   |          | ヿ        |          | T               |          |           |
|            | 6        | 1        |               |            |          | П        | T        |   | 7         |                | 56       |          |               | Π        | П                 |  | П  |          | Ī        |                | 106      |          | $\neg$   | $\top$   | T        | ┪        | ヿ        |                 | $\neg$   |           |
|            | 7        | <b>V</b> | $\neg$        |            |          |          | T        |   | 7         |                | 57       |          | 1             | 1        | П                 | T  |  |          |          |                | 107      |          | 丁        |          | $\top$   | T        | 一        |                 | 寸        |           |
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|            | 10       | 1        | $\neg$        |            |          | П        |          |   |           |                | 60       |          | $\top$        |          |                   |  |  |          |          |                | 110      |          | $\top$   | T        | 丁        | _        | $\neg$   |                 | ヿ        |           |
|            | 11       | 1        | $\neg$        |            | П        | П        | $\neg$   | $\neg$                                  | 7         |                | 61       | Π.       |               | Т        |                   |  |  |          | ı        |                | 111      |          | $\top$   | $\top$   | $\top$   | 7        | 寸        |                 | 寸        | $\dashv$  |
|            | 12       | 1        | $\neg$        | Τ          | П        | П        | 寸        | $\neg$                                  | 7         |                | 62       |          | 1.            | П        | $\Box$            | $\top$   | $\Box$   | 7        | ı        |                | 112      |          | 十        | T        | $\top$   | 1        |          | $\neg$          | 寸        |           |
|            | 13       | 1        |               |            |          |          | $\neg$   |   | 7         |                | 63       |          |               |          | П                 |  | $\Box$   |          | ı        |                | 113      | $\Box$   | $\dashv$ | 十        | $\dashv$ | 7        | $\neg$   | 寸               | 寸        | $\neg$    |
|            | 14       | 1        |               |            |          | $\Box$   | $\neg$   | $\neg$                                  | 7         |                | 64       |          | $\top$        | T        |                   |  | П  |          | ı        | $\neg \neg$    | 114      | $\neg$   | 十        | 十        | 十        | 7        | $\neg$   | 寸               | 寸        | ᅦ         |
|            | 15       | 1        |               | T          | П        | $\Box$   |          | $\top$                                  | 7         |                | 65       |          | 1             | T        | $\sqcap$          | $\top$   | $\sqcap$   |          | ŀ        | T              | 115      | $\dashv$ | $\top$   | $\top$   | 7        | 7        | $\neg$   | $\neg$          | $\dashv$ | $\dashv$  |
|            | 16       | 1        |               | T          | П        |          |          |   | ٦         |                | 66       |          |               |          | $\sqcap$          | $\neg$   |  |          | ı        |                | 116      | $\dashv$ | $\top$   | $\top$   | $\top$   | 7        | $\dashv$ | 十               | 一        | 乛         |
|            | 17       | 4        |               | 1          | П        | $\sqcap$ | 7        | $\top$                                  | 7         |                | 67       |          | 1             | 1        | $\sqcap$          |  | $\sqcap$   | -        | ľ        |                | 117      | $\dashv$ | $\top$   | $\top$   | $\dashv$ | ┪        | $\neg$   | $\neg \uparrow$ | $\dashv$ | $\dashv$  |
|            | 18       | 1        | $\neg \vdash$ | T          | П        | $\sqcap$ |          | _                                       | ٦         |                | 68       |          | 1             | 1        |                   |  | $\Box$   |          | ı        |                | 118      | $\dashv$ | $\top$   | +        | 7        | 寸        | $\neg$   | $\neg \uparrow$ | $\dashv$ | 乛         |
|            | 19       | 1        |               | 1          |          |          |          | $\dashv$                                | 7         |                | 69       | $\Box$   | 十             |          |                   | ┪  | H  |          |          |                | 119      |          | 1        | 1        | 7        | 7        |          | 十               | _        | $\dashv$  |
|            | 20       | 1        | $\neg$        | 1          |          |          | T        | ┪                                       | 7         |                | 70       | $\top$   | 1             | <b>†</b> | $\vdash$          |  |  |          | ľ        |                | 120      |          | $\top$   | $\top$   | +        | ┪        | 寸        | 7               | 一        | 7         |
|            | 21       | <b>V</b> |               |            |          |          | T        | _                                       | ٦         |                | 71       |          | 1             | 1        |                   | 1  |  | 7        |          |                | 121      |          | $\top$   | $\top$   | 十        | _        | 7        | $\dashv$        | 1        | ヿ         |
|            | 22       | 1        |               |            |          | $\top$   | T        | $\neg$                                  | 7         |                | 72       |          |               | T        |                   |  | 1 1  |          | - T      |                | 122      |          | 1        | $\top$   | $\top$   | $\dashv$ | 寸        | 7               |          | ╗         |
|            | 23       | 1        | 十             | 1          | П        | o        | $\top$   |   | 7         |                | 73       |          |               | T        | $\Box$            |  | $\Box$   |          | -        |                | 123      | _        | T        | 十        | T        |          | 寸        | ┪               | ヿ        | _         |
|            | 24       | 1        |               | 1          | П        | $\vdash$ | _        | $\dashv$                                | 7         |                | 74       | $\top$   | _             | $\vdash$ | $\vdash$          | <del>                                     </del> | $\vdash$   | -        | ŀ        |                | 124      | $\neg$   | ╅        | $\dashv$ | $\dashv$ | +        | _        | $\dashv$        | $\dashv$ | ヿ         |
|            | 25       | 1        |               | 1          |          | 1        | 1        | 十                                       | T         |                | 75       | $\top$   | 1             | T        |                   | 十  | $\Box$   | $\dashv$ | ŀ        |                | 125      | $\dashv$ | +        | $\dashv$ | +        | ┪        | _        | +               | 十        | $\dashv$  |
|            | 26       | 1        | +             |            | П        |          | 1        | $\dashv$                                | 1::::     |                | 76       | $\neg$   | +             | t        | $\vdash$          | +  | <del>                                     </del> | $\dashv$ | - 1      |                | 126      | _        | +        | $\dashv$ | $\dashv$ | ┪        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|            | 27       | 1        | 1             | +          | Н        |          | $\top$   |   | 7::::     |                | 77       |          | $\top$        |          | 1                 | +  |  | -        | -        |                | 127      | $\dashv$ | +        | $\dashv$ | $\dashv$ | 7        |          | _               | 一        | $\dashv$  |
|            | 28       | 1        |               | 1          | H        | $\dashv$ | 十        | $\dashv$                                | -         |                | 78       | $\top$   | +-            | $\vdash$ |                   | $\dashv$   | $\Box$   | -        |          |                | 128      | $\dashv$ | +        | $\dashv$ | $\dashv$ | 十        | _        | $\dashv$        | 十        | $\dashv$  |
|            | 29       | 1        | $\top$        | 1          | Н        | 1        | T        | _                                       |           |                | 79       |          | $\top$        |          | _                 | +  | $\vdash$   | -        | -        | $\dashv$       | 129      | $\dashv$ | $\pm$    | +        | 十        | $\dashv$ | ┪        | +               | -        | ┪         |
|            | 30       | 1        | $\top$        | T          | H        |          | _        | _                                       | 1         |                | 80       | $\dashv$ | +-            | $\vdash$ | $\vdash$          | +  | 1  | -        | - 1      | $\dashv$       | 130      | $\dashv$ | +        | +        | $\dashv$ | _        | _        | +               | $\dashv$ | $\dashv$  |
|            | 31       | 7        | $\top$        | T          | H        |          | $\dashv$ | $\dashv$                                | 7         |                | 81       | $\dashv$ | +-            | $\vdash$ | -                 | +  | $\vdash$   |          | -        | <del>- i</del> | 131      |          | +        | +        | +        | +        | 十        | +               | $\dashv$ | ┪         |
| $\vdash$   | 32       | <b>V</b> | $\top$        | $\vdash$   | H        | o        | +        | -                                       | ٠         |                | 82       | $\vdash$ | +-            | Н        | $\vdash$          | +-   | $\vdash$   | - ::     | -        |                | 132      | $\dashv$ | +        | +        | +        | +        | $\dashv$ | $\dashv$        | 十        | ╡         |
|            | 33       | 1        | 1             |            | Н        | $\top$   | 十        | $\top$                                  | 1         |                | 83       | .        | +-            | Ħ        | <del>  </del>     |  | $\vdash$   | -        | ŀ        |                | 133      | $\dashv$ | $\dashv$ | +        | $\top$   | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|            | 34       | 7        | 十             | $\Box$     | Н        | $\top$   | 十        | _                                       | 7         |                | 84       | $\vdash$ | $\top$        | П        | $\vdash$          | $\top$   |  | -        | ŀ        |                | 134      | $\dashv$ | +        | +        | +        | +        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|            | 35       | 1        | 1             |            | П        | $\Box$   | _        | $\top$                                  | 7::::     |                | 85       |          | $\top$        | П        |                   | +  |  | ٣.       | ı        |                | 135      | 1        | $\top$   | $\top$   | $\top$   | 7        | 十        | $\neg$ t        | 十        | $\dashv$  |
| $\vdash$   | 36       | 1        | _             | $\Box$     | H        | $\top$   |          | 十                                       | 7::::     |                | 86       | $\top$   | t             | П        | $\vdash$          | <del> </del>                                     | -  | $\dashv$ | ŀ        |                | 136      | $\dashv$ | $\top$   | +        | +        | $\dashv$ | $\dashv$ | _               | $\dashv$ | $\dashv$  |
|            | 37       | 1        | $\dashv$      | T          | $\Box$   | $\top$   | $\dashv$ | $\dashv$                                | 1         |                | 87       | $\dashv$ | +             | Н        | $\vdash \uparrow$ | +  |  | 1        | ŀ        |                | 137      | $\dashv$ | +        | +        | +        | $\dashv$ | -        | 十               | $\dashv$ | $\dashv$  |
|            | 38       | $\dashv$ |               | $\vdash$   | $\Box$   | $\top$   | $\top$   | $\top$                                  | 7         |                | 88       | $\dashv$ | t             | П        | $\vdash$          | $\top$   |  | $\dashv$ | #        |                | 138      | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | $\dashv$        | $\dashv$ | $\dashv$  |
|            | 39       | _        |               | $\top$     |          | $\neg$   | $\top$   | $\top$                                  | 7         |                | 89       | 十        | T             |          | 1                 | $\top$   |  | ١        | ıŀ       |                | 139      | 1        | $\top$   | +        | +        | +        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|            | 40       | $\dashv$ | $\top$        | Ħ          | H        | $\top$   | 1        | $\top$                                  | 1         |                | 90       |          | +             | Н        | $\vdash$          | +  | $\vdash$   | -        | ii       |                | 140      | $\dashv$ | $\top$   | +        | $\top$   | $\dashv$ | 7        | $\dashv$        | 十        | $\dashv$  |
|            | 41       | $\dashv$ | $\top$        | Ħ          | Н        | $\dashv$ | $\dashv$ | $\top$                                  | 7         | $\vdash$       | 91       | $\neg +$ | $\top$        | Н        | $\vdash$          | $\top$   |  | -        | -        | $\dashv$       | 141      | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | ᅱ         |
|            | 42       | $\dashv$ | $\dashv$      | $\sqcap$   | H        | 十        | +        | 十                                       | 1         |                | 92       | $\dashv$ | $\top$        | Н        | $\vdash$          | $\top$   | $\vdash$   | -        | ŀ        |                | 142      | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  |
|            | 43       | $\dashv$ | $\top$        | П          | $\vdash$ | $\dashv$ | $\dashv$ | - -                                     | 1         | -              | 93       | $\dashv$ | +             | Н        | -                 | +  |  | -        | #        |                | 143      | +        | 十        | +        | +        | +        | +        | +               | +        | $\dashv$  |
|            | 44       | $\dashv$ | _             | П          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$                                | 1         |                | 94       | +        | +             | Н        | -+                | +  |  | ::       | <b>#</b> |                | 144      | 十        | ╅        | +        | 十        | +        | $\dashv$ | $\dashv$        | +        | $\dashv$  |
|            | 45       | $\neg +$ | $\top$        | $\vdash$   | $\vdash$ | $\dashv$ | $\dashv$ | +                                       | 1         | -              | 95       | $\dashv$ | +             | Н        | $\dashv$          | +  | $\vdash$   | ::       | <u>"</u> |                | 145      | 十        | +        | 十        | +        | +        | 十        | +               | $\dashv$ | _         |
|            | 46       | $\dashv$ |               | Н          | $\vdash$ | _        | $\dashv$ | $\dashv$                                | 1         |                | 96       | +        | +-            | $\vdash$ | $\vdash$          | +  | $\vdash$   | -        | -        | -              | 146      | +        | +        | +        | +        | +        | $\dashv$ | $\dashv$        | +        | $\dashv$  |
|            | 47       | $\dashv$ | +             | Н          | $\vdash$ | $\dashv$ | $\dashv$ | +                                       | 1         |                | 97       | -+       | +             | $\vdash$ | -                 | +  | $\vdash$   | -        | ıŀ       |                | 147      | +        | $\dashv$ | +        | +        | +        | -+       | +               | +        | $\dashv$  |
|            | 48       | $\dashv$ | $\top$        | Н          | $\vdash$ | +        | +        | +                                       | 1         |                | 98       | _        | +             | H        | $\dashv$          | +-   | $\vdash$   | $\dashv$ | ıŀ       | $\dashv$       | 148      | +        | +        | +        | +        | $\dashv$ | $\dashv$ | +               | +        | $\dashv$  |
| $\vdash$   | 49       | $\dashv$ | +             | Н          | $\vdash$ | $\dashv$ | 十        | 十                                       | 1         | -              | 99       |          | +             | H        | $\dashv$          | +  | $\vdash$   | $\dashv$ | ⊪        | $\dashv$       | 149      | $\dashv$ | +        | +        | +        | +        | +        | +               | +        | $\dashv$  |
| $\vdash$   | 50       | $\dashv$ | +             | $\vdash$   | $\vdash$ | $\dashv$ | +        | +-                                      | 1         |                | 100      | $\dashv$ | +             |          | $\dashv$          | +  | $\vdash$   | -        | ╟        | $\dashv$       | 150      | $\dashv$ | +        | +        | +        | +        | $\dashv$ | +               | +        | $\dashv$  |
|            | 55       |          | L             | 1          | لللا     | ㅗ        | ᅩ        | _ــــــــــــــــــــــــــــــــــــــ | ا::::ا    |                | ,00      |          |               | ш        |                   |  | ᄔ  | ::       | ۰۰۰L     |                | 100      |          | L_       | ۰.       |          |          | L        |                 |          |           |